SHOUT
SHARE
IT

THE

BOTANICAL EXCHANGE CLUB

OF THE BRITISH ISLES.

REPORT FOR 1883.

Manchester:
PRINTED BY JAMES COLLINS & CO., KING STREET.
1885.

THE BOTANICAL EXCHANGE CLUB OF THE BRITISH ISLES.

REPORT OF THE DISTRIBUTOR FOR 1883.

By GEORGE NICHOLSON.

Owing partly to the late period at which some of the Reports were received, and partly to pressure of other work, a considerable delay has taken place in the publication of this Report. The thanks of the Club and the Distributor are due to Professor Babington and Messrs. J. G. Baker, Arthur Bennett, W. H. Beeby, H. and J. Groves, Rev. W. W. Newbould, and other gentlemen, for notes on critical plants and for help in many ways.

The total number of plants received for distribution was about 3,735, from 33 contributors.

	Counted as Specimens.
Mr. James E. Bagnall, *A.L.S.*	33
Mr. Charles Bailey, *F.L.S.*	275
Mr. W. H. Beeby	369
Mr. Arthur Bennett, *F.L.S.*	158
Dr. John T. Boswell, *F.L.S.*, &c.	102
Mr. T. R. Archer Briggs, *F.L.S.*	39
Mr. W. H. Brown	66
Rev. Canon T. Butler	47
Dr. Eyre de Crespigny	96
Mr. G. C. Druce, *F.L.S.*	147
Mr. W. Irvine Fortescue	20
Rev. H. E. Fox, *M.A.*	81
Dr. John Fraser, *M.A.*	130
Mr. John E. Griffith, *F.R.A.S.*, &c.	84
Mr. James Groves	150
Mr. F. J. Hanbury, *F.L.S.*	213
Dr. H. Halcro Johnston, *M.B.*, &c.	75
Dr. F. Arnold Lees	34
Rev. Augustin Ley, *M.A.*	297
Rev. E. F. Linton, *M.A.*	201
Rev. W. R. Linton, *M.A.*	284
Mrs. E. A. Lomax	126
Mr. J. Cosmo Melvill, *M.A.*, &c.	79
Mr. G. Nicholson	28
Rev. W. H. Painter	90
Rev. W. H. Purchas	37
Rev. W. Moyle Rogers, *F.L.S.*	48
Mr. Henry Searle	42
Mr. S. A. Stewart	33
Mr. Frederick Townsend, *M.A.*, &c.	62
Mr. W. B. Waterfall	80
Mr. G. Webster	78
Mr. J. W. White	131
	3,735

Members will kindly check their plants and alter their labels as they may require it, by the Report.

July, 1885. GEORGE NICHOLSON.

Thalictrum flavum, L., *a. sphærocarpum.* Attingham Park, Salop, August, 1883. Simply a galled condition of *flavum*, caused by *Cecidomyia thalictri*, H. Loew. J. W. H. Trail.

Ranunculus fluitans, L., b. *Bachii.* In the Severn, above Bewdley, June, 1883.—JOHN FRASER. "Ordinary *R. fluitans*."—J. G. Baker. "*R. Bachii*, from the Severn, is not correct, it is probably *penicillatus*."—C. C. Babington.

Ranunculus tripartitus, DC. (*R. intermedius*, Knaf. Hiern.), with *R. peltatus*, Fries, at the edge of a water-splash, north of Brockenhurst, in the New Forest, South Hampshire, May 18th, 1883.—Charles Bailey. Muddy lane, near Tinney, Bridgerule East, N. Devon, May, 1883.—W. Moyle Rogers. "*R. tripartitus* = *R. intermedius*. I think not the plant of De Candolle, although Hooker says so."—C. C. Babington.

R. muricatus, L. A weed at Prestwich, Lancashire, several years running, July, 1883.—J. Cosmo Melvill.

Caltha palustris, L., var. *minor*, "going off in the direction of *radicans*."—J. G. Baker. Glas Maol (alt. 2,700 ft.), borders of East Perth and Forfar, August 3, 1883.—E. F. Linton. Clova Mountains, Forfar, August 6th, 1883.—W. R. Linton. Practically the same plant is sent by H. E. Fox from Clova Mountains (2,500 ft.), Forfar, August, 1883, under the name of *C. radicans*. "I think it is not *radicans*."—C. C. Babington.

Papaver Lecoqii, Lam. Whitchurch, Somersetshire, July 9th, 1883. Comm. W. Hunt Painter. According to Rev. W. W. Newbould this is good *Lecoqii*.

Brassica Cheiranthus, Vill. Hedgebank, Fawley, South Hants, June 6th, 1885.—J. Groves.

Dentaria bulbifera. L. Borders of Kent and Sussex, on Etchingham road, between Hawkhurst and Hurst Green, April 20th, 1882. J. Cosmo Melvill. New station, *vide* "Journal of Botany," 1882.

Capsella Bursa-pastoris, Mœnch., var. *rubella*. Cliftonville, Brighton, Sussex, 1883. On waste, gravelly and chalky soil, near the sea.—Eyre de Crespigny. This is merely a starved condition of typical *C. Bursa-pastoris*, G.N. "I do not see what claim this has to be the supposed *C. rubella*."—C. C. Babington.

Helianthemum Breweri, Planch. Holyhead, Anglesea, June, 1883.—J. E. Griffith.

Viola arenaria, DC. Widdy Bank Fell, Teesdale, June 22nd, 1883.—F. J. Hanbury.

V. stagnina, Kit. Wicken Fen, Cambs., May 30th, 1882.—H. and J. Groves.

V. Curtisii, Forster. Blackpool, S. W. Lancashire, May, 1883. Coll., W. Fogg. Comm., Charles Bailey.

Polygala vulgaris, L., var. *grandiflora?* Glen Dole, Forfar, August, 1883.—G. C. Druce. This beautiful coloured *Polygala* occurred on the cliffs at the upper end of Glen Dole, at about 2,500 feet. It appears to come near to the Irish *grandiflora*. "Luxuriant *depressa*."—J. G. Baker.

**Silene pendula*, L. Bournemouth, South-West Hants, 16th May, 1883.—Charles Bailey.

Cerastium pumilum, Curtis. Torquay, May, 1883.—Eliz. Lomax. "I should name this *C. tetrandrum*, Curt."—Arthur Bennett.

C. alpinum, L. *pubescens*. Ben Lawers, Perth, Augnst 16th, 1883.—H. E. Fox. "Simply our *latifolium* = *Smithii* of Hooker. Hooker's discovery that this is not the true *latifolium*, Linn., removes much difficulty."—C. C. Babington. According to the last edition of the "Students' Flora," the name of this is *C. alpinum*, L., var. *Smithii*.

Alsine hybrida, Vill. Culford Heath, Suffolk, August 1883 — G. C. DRUCE. "I should have named this *A. tenuifolia*, Crantz., var. *laxa*, Syme."—A. Bennett. "Surely *viscosa* is the right name."—C. C. Babington.

Geranium Robertianum, L., *modestum*. Shore, Whiting Bay, Arran, September 11th, 1863.—AUGUSTIN LEY. This appears to be ordinary sea-side *G. Robertianum*. I fear cannot be distinguished from *purpureum*, Forster, although probably not of Villars, G.N.

Ulex Gallii, Planchon. Leigh Wood, North Somerset, Sep. 25th, 1883. *Top. Bot.* containing no record for vice Co. 6, these specimens will afford one. Locality was published in the "Flora of the Bristol Coalfields," part II., 1882.—JAMES W. WHITE.

Ononis repens, L., var. *horrida*, Lange! Sandhills, Yarmouth, East Norfolk, August, 1883.—ARTHUR BENNETT.

O. arvensis, Auct. b. *repens*. Coble Dene, North Shields, August, 1883.—W. H. BROWN. This appears to be nothing but typical *O. arvensis*, G.N. Shingly beach, Llanfairfechan, Carnarvonshire, July, 1883, J. COSMO MELVILL. "This is *repens* of the London Catalogue as I understand it, and certainly is not the *O. repens*, L., (Lange)"—Arthur Bennett.

Trifolium filiforme, L. Holme Fen, Hunts., July 23rd, 1883.—W. R. LINTON. A specimen under this name was sent as a new record. It is, however, simply small *T. minus*, Relh.

T. agrarium, L. Field of sown grass at Balbairdrie, Balmuto Common in all fields in which Alsike Clover (*Trifolium hybridum*) is sown with grass seeds—not naturalized even.—J. T. BOSWELL. For a paper, by Dr. Buchanan White, on the claims of this species to be regarded as a probable British plant, see Scottish Naturalist, N. S., iv., p. 178.

Lotus major, Scop., monstrosity. Pond nearly drained in waste field, Platt's Lane, near Child's Hill, Middlesex, 1882.—EYRE DE CRESPIGNY. This is simply a proliferous state of *Trifolium repens*, L.

Lotus tenuis, Kit. Near Slinfold, Sussex. Grows in abundance over about an acre of land in company with *L. corniculatus* and *L. major*. Although many of the plants have attenuated stems, linear leaflets, and solitary pods, affording examples of extreme *tenuis*, others shew affinity to *L. corniculatus*, and plants can be seen differing from the latter only by their diffuse and straggling habit.—JAS. W. WHITE.

Vicia sylvatica, L., *condensata*, Druce, MS. This interesting maritime variety occurred on the shingly shore of Port William, Wigton. It occurred in compact prostrate masses, about a yard across, and when first seen without flowers suggested *V. Orobus*, so rigid was it in habit, and its leaves so firm in consistence. It differs from the sylvestral plant by the rigid stems, leaflets semi-coriaceous and often glaucous, by the much shorter peduncles with dense not lax racemes, the pedicels being also shorter; the flowers are suffused with purplish brown, and are smaller—half-inch—than the type plant. Of course the place of growth accounts for these peculiarities, but such an unusual form seems worthy of varietal distinction. The plant was fruiting abundantly. Mr. Britten sees nothing in it worthy of such notice.—G. C. DRUCE.

Rubus affinis, W. and N., with terminal leaflet quite commonly lobed, or having three leaflets in its place. Niton Down, Isle of Wight (in great quantity), July 21, 1883.—W. Moyle Rogers. "I place pretty certainly to *R. fissus*."—C. C. Babington.

R. imbricatus, Hort. Glen Stapleton, Gloucestershire, Sept. 8, 1883. This station is in the same vice-county (West Gloster) as that recorded by the original describer of the species. The Rev. F. J. A. Hort became acquainted with the plant on the borders of Monmouthshire, north of the Severn. My specimen grew about 30 miles distant to the south, in the direction of Plymouth, where Mr. Briggs had discovered this bramble some years before. The Glen Frome locality has been published in the 'Flora of the British Coalfield,' part II., 1882.—Jas. W. White. "Correct."—C. C. Babington.

R. thyrsoideus, Wimm. Buckden, Huntingdon, Jan. and July, 1883. Fairly common in the district, though not nearly so frequent as the ubiquitous *R. discolor*.—E. F. Linton. "Good *R. discolor*, Weihe."—J. G. Baker.

R. Grabowskii, Weihe. Putney Heath, Surrey, 1883.—Eyre de Crespigny. "*R. thyrsoideus*, Wimm."—J. G. Baker.

R. macrophyllus, Weihe, var. *heteroclitus*, or near it. Plantation, Harrow Weald Common, Middlesex, 1882.—Eyre de Crespigny. "*R. leucostachys*, Sm."—J. G. Baker.

R. Salteri, Bab. Putney Heath, Surrey, 1883. — Eyre de Crespigny. "Is I think *R. carpinifolius*, W. & N."—C. C. Babington.

R. hirtifolius, Müll. Waste ground, Stranmillis, Belfast, Sept. 23, 1883.—S. A. Stewart. "Is *R. villicaulis*, W. and N."—J. G. Baker. "I believe to be *villicaulis*."—C. C. Babington.

R. villicaulis, W. & N. Stirtloe, Hunts. Sprowston, E. Norfolk. These, if correct, are I believe new records. It is not a common form in either locality.—E. F. Linton. These have been passed by Mr. Baker as correctly named.

R. villicaulis, W. & N., approaching *leucostachys*. Strawberry Hill, Clevedon, Somerset, August 29th, 1883. Differs greatly from the well marked and abundant *leucostachys*, with which we are so familiar in this district. I hesitate to think it nearer the latter than to *R. villicaulis*, from which it differs, however, in the clothing of the leaves and the felted panicle.—Jas. W. White. "*Villicaulis*; has a very poor piece of stem, but the leaves are very fine."—C. C. Babington.

R. macrophyllus, Weihe., var. b. or c. Failand, Somerset, Aug. 30, 1883.—Jas. W. White. "This is typical *macrophyllus*."—C. C. Babington.

R. macrophyllus, Weihe. Coleshill Wood, Middlesex, Nov. 8th, 1883.—W. R. Linton. "Is I think a weak form of *Schlechtendalii*." C. C. Babington.

R., considered by Mr. Baker to be near *R. Bloxamii*, Lees. Leigh Wood, Somerset, Sept. 17, 1883.—Jas. W. White. "Is apparently *R. rhenanus* (Müll.), as I judge by a specimen so named by Genevier. I have not yet found *rhenanus* in Herb. Genevier, but I hope to do so. I cannot find out where Müller described it. *Rhenanus* is much more hairy, and the panicles different; see Briggs's 'Flora of Plymouth,' p. 122. The name depends on Genevier's

naming a plant from Crabtree near Plymouth *rhenanus*."—C. C. Babington.

Rubus Kœhleri, Weihe, var. *mutabilis*? Highgate Wood, Middlesex, 1883.—EYRE DE CRESPIGNY. "Is *R. Bloxamii*.—J. G. Baker.

R. glandulosus, Bell. Border of Ball Wood, Congresbury, Somerset, Sept. 18, 1883.—JAS. W. WHITE. "Is *R. rosaceus*, Weihe." C. C. Babington.

Rubus Kœhleri, Weihe, var. *adornatus*. Ditch bank, road side, Harrow Weald Common, Middlesex, 1882.—EYRE DE CRESPIGNY. "Why is it put to *Kœhleri*, or called *adornatus*? Surely it is *rosaceus*."—C. C. Babington. In the specimen submitted to Mr. Baker, the barren and fertile stems appear to belong to different plants. Mr. Baker thinks the barren one belongs to *R. macrophyllus*.

R., Totteridge, Herts, Sept. 29th, 1883.—W. R. LINTON. "Is *R. præruptorum*, Boulay."—C. C. Babington.

R. Borreri? Gravelly slope, Epping Forest, Essex, Oct. 4, 1883. W. R. LINTON. "It may be *rosaceus*, panicle very poor."—C. C. Babington. "*R. radula*, Weihe."—J. G. Baker.

Rubus, named *R. melanoxylon*, Müll, by the Rev. A. Bloxam; *R. Radula*, by Prof. Babington. Dovedale, Derbyshire, September, 1883.—W. H. PURCHAS. "What authority Bloxam had for naming this so I do not know. It is not the *melanoxylon* of Herb. Genev., nor is it that of Baker. I still call it *R. Radula*."—C. C. Babington. "Good *R. Radula*."—J. G. Baker.

R. mutabilis, Genev. Harrow Weald Common, Middlesex, September 27th, 1883.—W. R. LINTON. "Is *R. Radula*."—C. C. Babington. "Good *R. Radula*."—J. G. Baker.

R. Radula, Weihe. Clifton Down, West Gloster. No record in *Top. Bot.*, Ed. II. This locality was published in the 'Flora of the Bristol Coalfields,' part II, 1882.—JAS. W. WHITE.

R., Plantation on Ham Moor, Staffordshire. Aug., 1883. Specimens from the same spot (and bushes?) were referred by Prof. Babington to *R. mutabilis*, Genev. with some little doubt. I do not, however, see how they are to be distinguished from some of the forms of *R. Kœhleri*, *pallidus*.—W. H. PURCHAS. "A poor specimen; stem is exceedingly hairy, but I do not know what else to call it."—C. C. Babington. "Shade grown *R. Radula*."—J. G. Baker.

R. tuberculatus. Bab. Heathy ground, Sprowston, E. Norfolk, September 12th, 1883.—E. F. LINTON. "Is a form of *R. Radula*, Weihe."—J. G. Baker.

R. humifusus, Weihe. Harrow Weald Common, Middlesex, Sept. 27, 1883.—W. R. LINTON. "I think not."—C. C. Babington. "*R. Kœhleri*, Weihe."—J. G. Baker.

R. Kœhleri, Weihe? Glen Frome, Stapleton, Bristol, Sept. 12, 1883.—JAS. W. WHITE. This has been passed as a form of *Kœhleri*, by both Prof. Babington and Mr. Baker.

R. Kœhleri, Weihe, *pallidus*. Shady lane, Highgate, Middlesex. EYRE DE CRESPIGNY. 1883. "Is *R. cavatifolius*, Müll., with very long and narrow leaves."—C. C. Babington.

R. Radula, Weihe. (Thought by Mr. Briggs to be a luxuriant form of this species.) Leigh Wood, Somerset, September 16th,

1883, on limestone in very sunny spot.—Jas. W. White. "*R. Kœhleri*, var."—J. G. Baker. "I think is *Kœhleri*."—C. C. Babington.

Rubus tuberculatus, Bab. Near Alstonfield, N. Staffordshire, August 7th, 1883.—W. H. Purchas. "No. I think that this is the more true *cavatifolius* than De Crespigny's plant."—C. C. Babington.

R., Copse, Buckden, Hunts, Aug. 27th, 1883.—W. R. Linton. "Is apparently *diversifolius*."—C. C. Babington.

R. adornatus, Müll.; *R. atrorubens*, Bloxam's fasciculus. Hedges and woods, Waverley Wood, Kenilworth, August 6, 1883. Local, but widely spread in Warwickshire.—J. E. Bagnall. "I do not think this is the *atrorubens*, of Bloxam, nor my *adornatus*. I think it is *exsecatus*, Müll." C. C. Babington.

R. corylifolius, Sm, *conjungens*. Hadley, Middlesex.—W. R. Linton. Rather setose. "No; specimens very poor."—C. C. Babington.

R. corylifolius, Sm., *sublustris*. Buckden, Hants, Jan. and Aug., 1883.—W. R. Linton. "No. Very poor *R. althæifolius*, I think." C. C. Babington. Sprowston, Norfolk, E., Sept. 4, 1883. The common form about here.—E. F. Linton. "Correct."—C. C. Babington.

R. villicaulis, W. & N. Buckden, Huntingdon, January and July, 1883.—E. F. Linton. "Is *R. corylifolius*, Sm."—J. G. Baker.

R. cæsius, L., *umbrosus*. Stirtloe, Huntingdon, July 26, 1883. E. F. Linton. "Is *cæsius* var. *tenuis*?"—C. C. Babington.

Rosa cuspidatoides, Crép., teste Déséglise. Acomb near York. July, 1883. So named by Déséglise, but I cannot separate it from *R. sylvestris*, Woods.—Geo. Webster. Mr. Baker has named it *R. scabriuscula*.

R. comosa, Ripart. Hedges, Sprowston, Norfolk, E. July and Sept., 1883.—E. F. Linton. This agrees well with specimens in my own herbarium so labelled by Dr. Christ.

R. micrantha, Sm. *pedunculo nudo* (Briggsii). Hedge, Bircham, Egg Buckland, S. Devon. July 23rd, 1883.—T. R. Archer Briggs.

R. surculosa, Woods. Hedge, St. Weonards, Herefordshire. Sept. 29th, 1883.—Augustin Ley. Is *R. verticillacantha*, Mérat. Hedge near Callow, Herefordshire, Oct. 4th, 1883.—Augustin Ley. Correct.

R. glabriuscula, Gdgr. Norton near Doncaster, S. W. Yorks. Aug., 1883.—Geo. Webster. A somewhat undecided *canina* form with doubly serrated leaves, hairy on both surfaces.

R. canina L. var.? Hedge, Nessdon, Middlesex, 1881.—Eyre de Crespigny. "An interesting form of *R. sphærica*, Gren."—J. G. Baker.

R. pruinosa, Baker. Large bushes by stream, Glen Shee, Perth, E. Aug. 2nd, 1883. Also, by road, Braemar, Aberdeen, S. Alt. 1,100 ft. to 1,200 ft. in both cases.—E. F. Linton. Agrees fairly well with cultivated specimens of Mr. Baker's typical plant grown at Kew.

R. tomentella, Léman. "Less hairy and less serrated than type. J. G. Baker." Bridgerule East, N. Devon. Aug. 3rd, 1882. Rare in S. W. England.—W. Moyle Rogers.

R. andegavensis, Bast. Sellack, Herefordshire, Sept. 22nd, 1883. —Augustin Ley.

Rubi

Rubus coriifolia, Fries., but not quite typical, between Loch Tay and Lawer's Inn, Mid Perth, alt. circa. 400 ft., Aug. 16th, 1883. I could not settle this with certainty. Mr. J. G. Baker considered it *R. coriifolia*, off type, from which it differs in having slightly aciculated peduncles, some compound leaf-serratures, and the back of the sepals glandular.—E. F. Linton.

R. Watsoni, Baker. Brodick, Arran, Sept. 13th, 1883.—Augustin Ley.

Epilobium, between *E. obscurum* and *E. parviflorum*. Lode lane, Astonfield, N. Staffordshire, Sept. 15, 1883. I send three or four specimens in one sheet, which show the transition from the round hairy stem and long pod of *E. parviflorum* to the squarish stem and shorter pods, &c., of *E. obscurum*.—W. H. Purchas. I have carefully compared these with specimens of a similar hybrid *Epilobium* sent me by Professor Haussknecht, who has lately published an exhaustive monograph of the genus, and I see no reason to doubt the hybrid origin as defined by Mr. Purchas.

Circæa lutetiana, L., *b. intermedia*. Wood, Rivers Dale, near Ashton-under-Lyne, Lancashire, August, 1883.—H. Searle. I do not see that this differs from typical *lutetiana*; the ovary is two-celled, and all the other characters agree with those of *C. lutetiana*.

Callitriche verna, L., *vernalis*. River Lee, Luton, July, 1883.—E. A. Lomax. "Fruit young, but I think *obtusangula*."—W. H. Beeby.

Callitriche obtusangula, Le Gall. Pond near beach at Grimston in Holderness, July, 1883. New to S.E. Yorks. as far as Botanical Club is concerned, I believe.—G. Webster. "I call this rightly named."—Arthur Bennett.

Callitriche. Embedded in the damp sand of Torrs Warren, Sands of Luce, Luce Bay, Wigtonshire, Sept. 28, 1883.—Charles Bailey. "Probably *C. obtusangula*; not easy to determine when fresh, now difficult."—C. C. Babington. "Is *C. stagnalis*."—Arthur Bennett.

Callitriche hamulata, Kütz. In a pit near Brockenhurst Bridge, in the New Forest, S. Hampshire, May 18, 1883.—Charles Bailey.

Ribes rubrum, L., *sylvestre*, Reich. Braemar, Aberdeen, Aug. 14, 1883.—W. R. Linton.

Sedum album, L., *a. teretifolium*. Roofs at Barton, near Luton, June, 1883.—Eliz. Lomax. This is "*S. album b. micranthum*."—J. G. Baker.

Sedum sexangulare, L., near Llandudno, July, 1883.—J. E. Griffith. Limestone Rocks, Wyke, W. Gloucester, Aug. 28th, 1883.—W. B. Waterfall.

Sedum rupestre, Huds. *a. majus*. Cheddar Gorge, Somerset, July 7, 1883.—Jas. W. White.

S. rupestre, Huds. *b. minus*. Cult. at Reigate, July, 1883. Roots from St. Vincent's Rocks, Bristol.—W. H. Beeby.

S. Fosterianum, Sm. *virescens*. In the gorge of the Teme, Downton, Herefordshire, July 20, 1883.—Augustin Ley.

Saxifraga sponhemica, Gmelin. Cwm Idwal, Carnarvonshire, June, 1883.—J. E. Griffith. "Quite typical."—J. G. Baker.

Pimpinella dissectifolia, Wallr. (*hircina*, Leers,) vel *dissecta*, Retz.

(laciniata, Thore.) Rough bank, one mile east of Wyre station, Worcester. All barren tufts equally large—too early for flowers, June, 1883.—F. Arnold Lees.

Galium ochroleucum, Koch. Trusham, S. Devon. On dry hedge-bank at top of "New Cut," with *G. mollugo* and *G. verum*, July 12th, 1880.—W. Moyle Rogers.

Galium sylvestre, Poll. Efford Down, Bude, E. Cornwall, among furze, &c., June 22nd, 1882.—W. Moyle Rogers.

Carduus palustre × *heterophyllus (C. Carolorum*, Jenner.) Cult. at Balmuto, Root from Glengarry, Inverness, Aug., 1883.—J. T. Boswell.

C. arvensis, Curt., *setosus*. Waste ground in Gloucester Docks, July 2nd, 1883.—Augustin Ley.

C. nutanti-crispus ? Field bordering Saint Weonard's, Herefordshire, June 19th, 1883. All the specimens sent were from one enormous plant, bearing from 80 to 100 heads of flowers. Its aspect was that of *C. crispus*, which it also recalled in the direction of the authodes—nearly erect in flower, slightly drooping in fruit. The other characters were those of *C. nutans*, of which it may have been a very luxuriant specimen.—Augustin Ley. Kirthington, Oxford, September, 1883.—G. C. Druce.

C. crispo × *nutans*. Ballast, Hartlepool, August, 1883.—H. E. Fox. "*C. crispus*."—J. G. Baker.

Arctium minus, var. *paniculatum (Lappa minor*, v. *paniculata*, Lange!) Reigate Heath, Surrey, September 14th, 1883.—W. H. Beeby.

A. intermedium, Lange. Open places in woods, Honington, Warwickshire, September, 1883.—Frederick Townsend. "Certainly; but somewhat different from our plant, which always occurs in shadow (woods). We consider *A. intermedium* and *A. nemorosum*, Lej., as synonymous."—J. Lange, in litt., 15th August, 1884.

A. nemorosum, Lej. Sandy banks at sea-shore, Linksness, Hoy, Orkney, August 31st, 1883.—H. H. Johnston. "I take for *A. majus* var. *subtomentosum*," J. Lange, in litt., 15th August, 1884.

Matricaria inodora, L., *salina*. Tynemouth, Northumberland, September, 1883.—W. H. Brown.

**Achillea nobilis*. Old Colliery débris, near Kingswood, Gloucestershire, August 20th, 1883. Has grown for many years at the spot indicated.—Jas. W. White.

Filago germanica, L., with pink-tipped phyllaries, but "not *apiculata*, G. E. Smith," teste C. C. Babbington. Sandy field, Sutton, Kidderminster, Worcestershire, July, 1883.—J. Fraser.

F. apiculata, G. E. Sm. Border of field, Elstead, Surrey, August 18th, 1883. I send with the above some abnormal forms from the same spot. On seeing them together, the Rev. W. W. Newbould accepts the name. I also send a doubtful plant from Thursley Common, in the same sandy district.—W. H. Beeby.

Senecio viscosus, L. var., with ray quarter inch long and spreading, instead of short and revolute. South Shields, Durham, October, 1883.—W. H. Brown.

Senecio aquaticus, Huds. abnormal state. Niton, Isle of Wight. One large much-branched plant with all the heads in the same state.

Other plants (normal) in the same ditch. July, 1883.—W. Moyle Rogers. The discoid state of *S. aquaticus* seems very uncommon. Mr. Baker had never seen any other specimens except those collected by Mr. Rogers.—G. N.

Senecio spathulifolius, DC. Cliffs, near South Stack, Holyhead, June, 1883.—J. E. Griffith. Path of Pistill, Holyhead, July 16, 1883.—J. Cosmo Melvill.

Bidens cernua, L. *radiata*. Pond, Lindow, Cheshire, Sept. 14, 1883.—H. Searle.

Leontodon pratensis, Koch. Glen Shee, Perth, E. Alt. 1,200-1,700 ft. August 3, 1883.—E. F. Linton. Glas Maol, Perth, Aug. 3, 1883.—W. R. Linton.

Taraxacum lævigatum, DC. Parkstone and Powder Island, Poole, Dorset. April, 1883.—W. R. Linton.

Crepis fœtida L. Between Deal and Dover, E. Kent. July, 1883.—Comm. Arthur Bennett, Coll. H. T. Mennell.

Crepis taraxacifolia, Thuill. Buckden, Huntingdon. In a field of sainfoin. Aug. 2, 1879.—E. F. Linton.

Hieracium holosericeum, Backh. Ben More, Mid-Perth, alt. about 2,900ft., Aug. 20th, 1883. Not a new record, but I do not know whether it has been found on Ben More; where I also found one of the *nigrescens* section, which I take to be *H. senescens*, Backh.—E. F. Linton.

Hieracium eximium, Fries, is sent from Forfar by Revs. H. E. Fox, W. R. Linton, and E. F. Linton, the latter sending the following note: This was more easily found than *H. holosericeum*, *H. calendiflorum*, *H. gracilentum*, and *H. chrysanthum*, of each of which the Rev. H. E. Fox, W. R. Linton, or myself gathered a little, at an altitude generally of about 2,800 to 3,000 ft.

Hieracium gracilentum, Back. Glen Canness, Perth, 6th Aug., 1883.—W. R. Linton. "This is not one of the *nigrescentes*, Back., at all—it having the florets very decidedly hairy, but belongs to the *Alpinæ* of Backhouse, and is *H. eximium*, Back."—Arthur Bennett.

Hieracium anglicum, Fries. Rocks above Lochan-na-lairige, Mid-Perth, Aug. 17th, 1883.—W. R. Linton. Winch Bridge, Teesdale, Durham.—W. H. Brown. Rocks near Killin, Perth, alt. 2,400 ft., July 19th, 1882.—E. F. Linton.

H. anglicum, Fries., *var. decipiens*. Basaltic Rocks, Cave Hill, Belfast, July 7th, 1883.—S. A. Stewart.

H. anglicum, var. *acutifolium*. Braemar, Aberdeen, S., Aug. 8th and 14th, 1883. Two specimens of this interesting form are forwarded by the Revs. W. R. and E. F. Linton, the latter sending the following note: In moderate quantity by the Clunie, and also by roadside on a moist bank.

H. anglicum, Fries., var. *decipiens* Syme? Rocks near Killin, Mid-Perth, alt. 2,400 ft., July 29th, 1883.—E. F. Linton. Mr. Baker looks upon this as ordinary *H. anglicum*.

H. iricum, Fr. Glen Shee (near the Spital), Perth, E., Aug. 4th, 1883. Revs. H. E. Fox, W. R. Linton, and E. F. Linton, the latter sending the following note: In company with the Revs. H. E. Fox and W. R. Linton, I gathered several plants of this, which I believe has not been recorded before for E. Perth. There was a fair quantity.

Hieracium iricum, Fr. *form.* Basaltic rocks, Cave Hill, Belfast, July 8th, 1882.—S. A. Stewart.

H. vulgatum, Fr. *macrocephalum.* Glen Shee, Perthshire, Aug. 1883.—H. E. Fox. Mr. Baker regards this as ordinary *H. vulgatum.*

H. vulgatum, Fr. *nemorosum.* Braemar, Aberdeen, Aug. 8th, 1883.—W. R. Linton. Mr. Baker agrees in my referring this to *H. tridentatum*, Fr.

H. prenanthoides, Vill. Shady rocks near Killin, Mid Perth, alt. 1,700 ft., Aug. 17th, 1883.—E. F. Linton. "Good specimens of quite typical *H. prenanthoides.*"—J. G. Baker.

H. crocatum, Fr. By River Clunie, Braemar, Aberdeenshire, July 1878.—J. Cosmo Melvill. This is referred to *H. prenanthoides*, Vill. by Mr. Baker.

Hieracium corymbosum, Fr. Near Llyn Cwellyn, Carnarvonshire, Aug., 1883.—T. Butler. "This is *H. umbellatum*, L."—G. N.

Hieracium corymbosum, Fr. Near Valley Stream, Killin, Mid-Perth, alt. 350 ft., Aug. 22nd, 1883.—E. F. Linton. Good specimens of typical *H. corymbosum* according to Mr. Baker.

Hieracium boreale, Fr. Opposite Llyn Cwellyn, Snowdon, Aug., 1883.—T. Butler.

Lobelia urens, L. Moist ground between St. Lostwithiel and St. Veep, E. Cornwall, Oct. 10, 1883.—T. R. Archer Briggs. See 'Journal of Botany,' 1883, p. 359.

Vaccinium sp. An unnamed shrub sent from Audley Dingle, Staffordshire, by Dr. F. Arnold Lees, is one of the North American species of *Vaccinium*, but the specimens are too imperfect to allow of a more definite determination.

Gentiana germanica, Willd. Chalky banks, Crowell Hill, Oxon, Sept., 1883. Crowell Hill is one of the Chiltern range, and within two miles of the Bucks border. The plant occurred abundantly on very bare chalky slopes, but although extremely variable in size and number of flowers, yet the size of flowers seemed fairly constant. I did not notice any great difference in size of corolla lobes, nor did the length of germen seem worth consideration. The leaves are broader than those of *Amarella*, and the colour considerably lighter, more blue than purple, and often lilac. *G. Amarella* grew with it plentifully, but it requires persistent search to find one in flower, whereas *G. germanica* was in profuse blossom, scarcely over its prime. There must be ten days difference in the time of flowering of the two plants. A few plants were found with only four lobes to the corolla. While in the greatest abundance on slopes of almost bare chalk, still others were scattered in the grass, and some few were found on the tertiary above the chalk. This hill yields, in its only Oxford locality, *Cephalanthera ensifolia. Gentiana germanica* had not previously been recorded for Oxford.—G. C. Druce.

Cuscuta europæa, Murr. Moleside, Esher, Surrey, Sept. 1, 1883.—J. Groves.

Mentha sylvestris, L. *mollissima.* Bank of the Wye, Great Doward, Herefordshire. Aug. 27, 1883.—Augustin Ley. Mr. Baker thinks this is not the var. *mollissima;* he looks upon it as typical *M. sylvestris.*

Origanum vulgare, L. approaching *macrostachyum*, Limestone bank, Llandebie, Carmarthenshire, Sept. 27, 1883.—Augustin Ley. Mr. Baker looks upon this as *O. vulgare*, and Mr. Arthur Bennett sends the following note respecting it:—"A form of *vulgare* which is common on the chalk hills in Surrey. Kentish specimens from Folkestone much more resemble var. *macrostachyum*."

Nepeta Glechoma, Benth. var. *parviflora?* Grimston in Holderness, July, 1883.—Geo. Webster. This differs from the type in its smaller flowers, which—as far as could be judged from the dried specimens—seem functionally unisexual. The stigmatic lobes were well developed, but the stamens were much shorter than usual, and the anthers apparently abortive. In a couple of flowers, softened by boiling and dissected, there was only one pair of stamens present, and these imperfect.

Scutellaria galericulata × *minor*. Virginia Water, Surrey, July and August, 1883.—Geo. Nicholson. I think there can be little doubt of this being a hybrid. It grows in considerable quantity at the station named, occurring in both Berkshire and Surrey. Dr. Focke, who has made a special study of plant hybrids, says "Intermediate between *S. galericulata* and *S. minor;* probably a hybrid." The only hybrid *Scutellaria* mentioned in Dr. Focke's great work, "Die Pflanzenmischlinge," is *S. pubescens* Martrin-Donos; the description of which given by its author in the "Florule du Tarn" will not fit in with my plant. I recently had the opportunity of examining in the Paris Herbarium, a type specimen of *S. minori-galericulata*, Michalet, (Notice sur quelques plantes récemment observées dans le département du Jura et le pays de Gex) the description of which seems to have escaped Dr. Focke. This plant comes nearer *S. galericulata* than any of those distributed to the Club.

Ballota, var., with calyx teeth larger than *nigra* and approaching *ruderalis*. Roadside between Preston and Monkseaton, Northumberland, July, 1883.—W. H. Brown. "There is nothing marked about this, simply *B. fœtida*; it might be matched on almost any hedge bank."—Arthur Bennett.

Ballota nigra, L., var. *ruderalis?* Hedge bank, Saint Weonards, Herefordshire, Aug., 1883. One or two specimens are sent, as constituting the nearest approach to the variety described in Prof. Babington's Manual of any which I have seen in Herefordshire.—Augustin Ley. "Not *ruderalis*—exactly the same form occurs on the Kentish coast, near Margate, and is noticeable for its softly hairy, pale foliage."—Arthur Bennett.

Lamium decipiens. Weed, garden, Durham, August, 1883.—H. E. Fox.

Myosotis alpestris, Schmidt. Ben Lawers, Perth, 3,700ft., July 31, 1882.—Revs. W. R. Linton and E. F. Linton, the latter sending the following note respecting the new record for Forfar: From the foot of wet rocks in one of the western glens of the Clova mountains, Forfar, Aug. 3, 1883. The Rev. H. E. Fox and myself found very little, and had to be chary in what we took, though we were not aware at the time that it was unrecorded for Forfar. Probably there was more on the wall of rocks above us, still we could not see it.

Symphytum orientale, L. Roadside, How Capel, Herefordshire, June 22, 1883.—AUGUSTIN LEY.

Utricularia neglecta, Lehm. Swamp near Felbridge, Surrey, July 23, 1883. The only previous record for the county is from near Woking, where it was found by Dr. E. de Crespigny. It occurs abundantly at the Felbridge station, flowering profusely.—W. H. BEEBY.

Armeria duriuscula, Bab. Little Culrannoch, Forfar, July, 1883.—G. C. DRUCE. "No. Is it not *A. planifolia*, Syme?"—C. C. Babington.

Statice pyramidalis. Norfolk.—T. BUTLER. Not a *Limonium* form, but *S. occidentalis*, Lloyd.—G.N.

Plantago major, L. var. Strongly denticulate leaves and dwarf habit. Hartlepool Docks, August, 1883.—H. E. Fox. This is *P. intermedia*, Gilib.

Atriplex angustifolia, Sm., form *pseudo-littoralis?* Brighton, Sussex, 1883.—EYRE DE CRESPIGNY. "This is *A. littoralis*, L."—J. G. Baker.

Rumex palustris, Sm.? form intermediate with *maritimus*. Marshy hollow, lower part of Hampstead, W. Heath, Middlesex, 1881—EYRE DE CRESPIGNY. This is ordinary *R. palustris*, from an old well-known locality, which is now partially destroyed.

Ulmus suberosa, Ehrh., var. *glabra*. Hereford, October 4th, 1883. This is either the var. *stricta*, Lindl., or *stricta*, Masters, of Mr. Boulger's paper on British Elms (Trans. of the Scottish Arboricultural Society's Transactions, Vol. IX., part I., p. 42); probably *stricta*, Masters, with the description of which it very well agrees. It is the least common of the varieties of *U. campestris*, With., in Herefordshire; and is always clearly planted — AUGUSTIN LEY.

U. suberosa, Ehrh., var. *glabra*. Eaton Bishop, October 11th, 1883. This is I believe the var. *suberosa*, Mœnch. of Mr. Boulger's paper; (l.c.) It is not so common a tree in Herefordshire as the var. *vulgatissima*; and has much less frequently the appearance of being spontaneous.—AUGUSTIN LEY.

Ulmus montana, Sm., *nitida*. Planted tree, near Hereford, October 4th, 1883.—AUGUSTIN LEY. "This comes under *U. campestris*, Sm. var. *glabra*."—J. G. Baker.

Salix near *viminalis*, L. Market Weston, Suffolk, W., April 2 and June 26, 1883.—E. F. LINTON. "*S. Smithiana*, Willd."—J. G. Baker.

Salix phylicifolia, vars. I send some three or four forms of this variable species; the fruit was of course scarce in August, but we could be sure from the growth and foliage that there were three sorts growing in Glen Shee, E. Perth, and some three also at Killin, Mid-Perth. The one from Braemar, which I have named *S. phillyreifolia*, differs most from the others in point of fruit. *S. Weigeliana* seemed most ready at producing summer fruit.—E. F. LINTON.

Salix lanata, L. Glen Callater, Aberdeen, S., Aug. 10, 1883. Only one catkin could be found on an extensive bush; I therefore send foliage only.—E. F. LINTON.

Salix Lapponum, L. Narrow leaved form, greener, in boggy moor, western side of Clova Mountains, Forfar. August 6, 1883. A broader leaved form, more silky and hoary, grew with the *S. lanata*, Glen Callater, Aberdeen, S., Aug. 10, 1883.—E. F. LINTON.

Sparganium affine, Schum. Pool, Benderloch, Argyle, Aug. 6th, 1883.—H. & J. GROVES. Sandy Lochs, Hoy, Orkney, Aug. 31st, 1883.—H. HALCRO JOHNSTON.

Potamogeton polygonifolius, Pour. *pseudo-fluitans.* Peaty Pool, Glen Torsa, Arran, 12th Sept., 1883.—AUGUSTIN LEY. "Certainly not *pseudo-fluitans;* some of the specimens at least come under *natans* and are the var. *lanceolatus* of Fieber."—Arthur Bennett. "My specimen is *natans.*"—W. H. Beeby.

P. plantagineus, Du Croz. Roydon Marsh, Norfolk, June 11th, 1883.—W. R. LINTON. "I think I am right in supposing this to be E. Norfolk (although the plant occurs also at Roydon in W. Norfolk), if so, it is a new locality for the county."—Arthur Bennett.

P. plantagineus, Du Croz. Ditch, Boswell Fen, Cambridgeshire, Aug. 6th, 1883.—ARTHUR BENNETT.

P. rufescens, Schrad. All dwarf, none flowering—in an alpine tarn, alt. 3,100 ft., Killin, Mid-Perth, Aug. 21st, 1883. Small plants, only a few inches high, and none attempting to flower, covered the peaty bottom of a mountain tarn in places at the unusual elevation of about 3,100 ft. Each plant has one or two stolons, by which it was being propagated. *Nitella opaca*, Ag. was in the same elevated tarn. Both plants have been seen, and the name certified by Mr. Bennett. —E. F. LINTON.

P lucens, L. *acuminatus.* In the Wye near Foy, Herefordshire, Sept. 20th, 1883. Shewing every variation in the length of the midrib beyond the blade of the leaf, on the same plant. The characteristic midrib was most prominent in leaves growing at some depth below the surface of the water: here sometimes the leaf would be reduced to the midrib only.—AUGUSTIN LEY. Is simply *lucens* with narrow leaves, the midrib variously excurrent at the apex and is not what I understand as the plant of Schumacher.

P. decipiens, Nolte. Welches Dam, Old Bedford River, Cambridgeshire, Aug. 1883.—Coll. ALFRED FRYER; comm. Arthur Bennett.

P. Zizii, M. & K. Slow stream, Co. Cavan, July 6th, 1881.—S. A. STEWART; comm. Arthur Bennett. Not typical; *P. borealis*, Tis. proxime.—A. Bennett. Hedge Court Mill pond, Surrey. To confirm new county record. I am unable to send any of the floating leaves, but send some of the aerial leaves formed when the plant is left stranded. The difference between these leaves and those of *P. heterophyllus* when growing on mud will be observed.—W H. BEEBY. "Approaching the lake form, not typical *Zizii*, M. & K." Arthur Bennett.

Potamogeton borealis, Tis. Outlet of Cluny Loch, E. Perth, July, 1883.—G. C. DRUCE and A. STURROCK. Mr. Sturrock pointed this out to me in its original station, an outlet of the Cluny Loch, in rather swift running water. The plant is in an immature state, as were all my Perthshire *Potamogetons*, the season being unusually backward—three weeks, according to Mr. Sturrock—and the water in the Loch two feet above average height. I should have called the plant *nitens.*—G. C. Druce. I do not understand Mr. Druce's name. Dr. Tiselius's "*P. borealis*, Tis. ad interim," is a form of *P. heterophyllus*,

Schreb., whilst Mr. Druce's plant is the elongate form of *P. perfoliatus*, L.—Arthur Bennett.

Potamogeton zosterifolius, Schum. Blakedown Pool, Worcestershire, June, 1883.—F. Arnold Lees.

P. obtusifolius, M. and K. *fluviatilis*, Lange et Mortensen! Wagoner's Wells, N. Hants, Sept. 20, 1882.—Arthur Bennett. Coll. W. H. Beeby. This is the variety referred to in Townsend's Flora of Hants.

Potamogeton flabellatus, Bab. River Wey, Guildford, Surrey. I send further specimens from the old locality. I have not seen an original specimen, or one confirmed by Prof. Babington, but this has always been accepted by Mr. Arthur Bennett; at least he has made no objection to the name.—W. H. Beeby. "I am far from sure of this being correct."—C. C. Babington.

Zannichellia macrostemon. Pond, Redheugh, Gateshead, Durham, Oct., 1883.—W. H. Brown. "Is, I think, *brachystemon*."—W. H. Beeby.

Z. repens, Bönn. In the tepid water of the canal, Reddish Green, near Manchester, Oct. 3, 1883.—Charles Bailey. Oct. 20, 1883.—J. Cosmo Melvill. "I presume is ordinary *palustris*."—C. C. Babington.

Z. pedicellata, Fries. Ditch, Littleworth, S. Lincolnshire, July 29, 1883.—W. H. Beeby.

Naias graminea, Delile (*Caulinia alagnensis*, Pollini). In the tepid water of the canal, Reddish Green, near Manchester, S.W. Lancashire, Sept. 14, 1883.—Charles Bailey. For a very complete account of this interesting plant, of which Mr. Bailey sends a large series of well-dried specimens, see "Journal of Botany," 1884, p. 305–333, where it is described under the name of *N. graminea*, Delile, var. *Delilei*, Magnus. A reprint of Mr. Bailey's paper was sent to each member.

Orchis Simia, Lam. Whitchurch, Oxfordshire, May, 1883. Only two plants came up this year, and the rabbits soon bit them down.—G. C. Druce.

Liparis Loeselii, Rich. East Norfolk, July 9th, 1883.—Mr. F. J. Hanbury sends a good supply of this rare Orchid.

Luzula albida, DC., *rubella*, Hoppe. In profusion for two miles along the sandy and rocky banks of the Bewdley Branch Railway, at Kidderminster; and in the adjoining Warren Wood sparingly. Worcestershire, May and June, 1883.—F. A. Lees. Sent from the same locality by Dr. Fraser as *L. albida*.

Juncus lamprocarpus × *acutiflorus*. Bog, Hedge Court, Millpond, Surrey, September 9th, 1883. *See Report for 1882.* Since sending to the Club, I have sent further specimens to Dr. Buchenau, calling his attention to the uniform sterility of the plant; he replies (22nd August, 1884,) "From the form of the perianth, and from your observations, probably = *J. acutiflora* × *lamprocarpus*. Interesting, as hybrids are rare in this order."—W. H. Beeby.

J. biglumis, L., Cam Chreag, Mid. Perth, August 21st, 1883.—W. R. Linton. Mr. Linton's specimens must have been partly *J. triglumis*, as Mr. Beeby writes that the one he received was the latter.

Carex arenaria, L., *coarctata*. Marshy sea-shore, Co. Down, June, 1876.—S. A. STEWART.

C. muricata, L., *pseudo-divulsa*. Road-side ditch, Pinner, Middlesex.—EYRE DE CRESPIGNY. This is ordinary *C. divulsa*.

C. alpicola, Wahl. Clova Mts., 2,500 ft., Forfar, Aug., 1883.—H. E. Fox. "*C. Grypos*, Schk."—A. Bennett. This is merely a montane form of *C. echinata*, Murr. (*C. stellulata*, Good.) "Surely this or *curta* was sent as well as *Grypos*."—W. H. Beeby.

C. pilulifera, L.? var. Boggy ground, alt. 1,800ft., Glen Shee, Perth, Aug. 4, 1883.—E. F. LINTON. This is *C. Grypos*, Schk.

C. aquatilis, Wahl. Clova Mountains, and near Glas Maol, Forfar, Aug. 6, 1883.—W. R. and E. F. LINTON and H. E. Fox. "All *C. rigida*, Good."—W. H. Beeby. "Surely mixed—all large *rigida*, Good. Mr. Druce's and Rev. W. H. Painter's specimens are rightly named—at least mine are."—Arthur Bennett.

C. acuta, L. *gracilis*, Uechtritz. Marshy lake margin, Lough Allen, Co. Leitrim, Aug. 8, 1883.—S. A. STEWART. "*C. aquatilis*, Wahl."—A Bennett. See "Journal of Botany."

C. aquatilis, Wahl, *var. minor*, Boott. Whitewater side, Forfar, July, 1883. There seems some confusion in the synonymy of this sedge which I apprehend should bear Mr. Watson's name, although that is sometimes given to the larger lowland plant. *C. minor* is abundant by all the stream sides on the Clova tableland, such as Caness, Whitewater, Fialzoch, and Feulah burns. It was in full flower by July 14th, although this season at that time the snow was plentiful in the corries, such as Ceander and Callater, and corniced Glas Mheal, Carn y Glasha, Tolmount, etc., and had only very recently melted from the southern slopes of Tom y Buidhe and Tolmount. There seems little except size and the darker coloured glumes to distinguish it from the lowland plant.—G. C. DRUCE.

C. Watsoni, Bosw. Wick River, Wick, N.B., Aug., 1881. Coll. James Grant; comm. W. H. PAINTER. As this is the locality where *C. salina*, var. *kattegatensis* was discovered, and as, in all probability, some of the latter may be already in herbaria under the former name, it would be desirable to examine all very northern specimens of *C. Watsoni*. My specimen is, however, what it purports to be, viz., *C. Watsoni*, Bosw. "And mine is also."—Arthur Bennett.

C. vulgaris, L. *uliginosa*. Swamp near Felbridge, Surrey, June, 1883. Barren shoots very numerous, flowering stems usually 4 or 5 from the same tuft.—W. H. BEEBY. This is the plant named *C. vulgaris*, var. *juncella*, by Dr. Almquist. See A. Bennett, in "Journal of Botany," 1885, p. 50.

C. glauca, Scop., *Micheliana*. Glen Shee, E. Perth, 1,600ft.. Aug. 3, 1883.—E. F. LINTON. Is *C. vulgaris*.

C. glauca, Scop., *stictocarpa*. Clova Mountains, August, 1883. H. E. Fox. Is also *C. vulgaris*.

C. præcox, Jacq. var. Clayey pasture-like flat on border of railline, Wyre Forest, one mile east of Wyre station, Worcestershire, June, 1883. Habit erect, spikelets two and three exserted, stems erect and straight. A tall growing form, more than a foot high.—F. A. LEES.

Carex speirostachya, var. *sterilis*. Rough field, Llangattock, Monmouthshire, 22nd August, 1883. Growing in large quantities in a rough wet pasture, along with *C. panicea*, *vulgaris*, and (sparingly) typical *speirostachya*. It was well marked by a lighter green, more tufted foliage; and had the perigynia uniformly empty.—Augustin Ley.

Carex riparia, Curt. Ponning, Berks., May, 1883. A form not unfrequent with the upper spikes having a few female flowers. In Oxfordshire *riparia* is a very variable sedge.—G. C. Druce. "This is only a case where female flowers take the place of nearly all the male ones—cnfr. Boott for numerous examples among the *Heterostachyeæ*."—Arthur Bennett.

C. vesicaria, L. *forma pendula*. Bog in Worth Forest, E. Sussex, May 24th, 1883. Swamp by Hedge Court Millpond, Surrey. May and June, 1883. The more extreme forms are very distinct in appearance, the peduncle often even exceeding its spike in length. Intermediate states occur, the various forms growing in large masses and not mixed.—W. H. Beeby.

Carex vesicaria, L. var.? or hybrid with *ampullacea?* By Wire Mill Pond, Surrey, June 10th, 1883. Almost or quite sterile. The very few (apparently perfect) nuts that I have been able to find resemble those of *C. vesicaria*, but are smaller. The leaves are those of robust *vesicaria*, but the perigyinum shows considerable approach to *ampullacea*. I cannot detect the latter plant (*C. vesicaria* is abundant,) in the immediate vicinity, but it occurs within a few miles. The plant was of a very dark, somewhat translucent green.—W. H. Beeby.

Agrostis "*nigra*, With," Bab. In a field of oats called the "Golflea," at Balmuto, Fife. I have no doubt whatever that this form is not even a variety of *Agrostis vulgaris*, but merely that plant growing in cultivated soil. All round the margin of the field the common form of *a*, *vulgaris* occurs.—J. T. Boswell.

Bromus mollis, L., a partially glabrous form. In very dry soil on wall tops by Bigbury Bay, near Ringmore, S. Devon, May 25, 1883.—T. R. Archer Briggs.

Lepturus filiformis, Trin. *pseudo-incurvatus*, mihi. Benfleet, Essex, 1883.—Eyre de Crespigny. Ordinary *L. incurvatus*, Trin.

Lycopodium annotinum, L. Hill side, west side of White Glen, Wart Hill, Hoy, Orkney, Aug. 31, 1883.—H. H. Johnston. Alter to south-west side.—H. H. J. Moist moor, near Braemar, Aberdeen, S., 1,600 ft., Aug. 13, 1883.—E. F. Linton.

Equisetum alpestre, Wahl. South slopes of Tolmount, Forfar, July, 1883. This *Equisetum* occured sparingly on the south slopes of Tolmount, Forfar, on ground from which the snow had only recently disappeared at an elevation of nearly 3,000 feet. A similar plant occurred on Cairn of Daimh, East Perth, at about 2,000 feet, the secund habit being better shown, but the barren stem was longer, nearly four inches long. By an error the var. *alpestre* was put under *pratense* in the London Catalogue instead of *arvense*. There seems little in the variety worth distinctive notice.—G. C. Druce.

Chara fragilis, var. *Hedwigii*. Epping Forest.—Eyre de Crespigny. "*C. fragilis*, approaching var. *capillacea*."—H. and J. Groves.

Chara aspera. Hickling Broad.—A. BENNETT. "A large form of *C. aspera.*"—H. and J. Groves.

C. contraria. Earith, Hunts, July, 1883.—A. FRYER. Comm. A. Bennett. "Like the Cambridgeshire *C. contraria.*"—H. and J. Groves.

C. polyacantha, f. *munda.* Chippenham, July 9, 1883.—A. BENNETT. "An aftergrowth of *C. polyacantha*, when autumn rains had deepened the water; such are usually less incrusted."—H. and J. Groves.

C. hispida. Deeping Fen, 1883.—W. H. BEEBY.

C. hispida, f. *iongispina.* "An ill-developed form of *C. hispida?*" H. and J. Groves.

C. vulgaris, v. *longibracteata.* Deeping, S. Lincs.—W. H. BEEBY. H. and J. Groves.

C. fœtida. Offham, Lewes, Sussex, 1879.—EYRE DE CRESPIGNY. "*C. vulgaris*, L., small, much incrusted form."—H. and J. Groves.

C. fœtida, v. *subhispida elongata.* Salop, Sept., 1883.—BECKWITH. Comm. A. Bennett. "*C. vulgaris*, v. *papillata*, too far gone to say much about."—H. and J. Groves.

C. Braunii. Canal, Reddish, Sept., 1883.—H. SEARLE.

C. stelligera, Bauer! Potter Heigham, E. Norfolk.—E. and A BENNETT. "*Lychnothamnus stelliger*, Braun."—H. and J. Groves.

Tolypella glomerata, Leonh. Southport. H. SEARLE.

T. prolifera, Leonh. Deeping, S. Lincs.—W. H. BEEBY.

Nitella flexilis. Copthorn Common, E. Sussex, 1883.—A BENNETT.

N. opaca. Swanbister, Orkney.—H. H. JOHNSTON.

NEW COUNTY RECORDS.

Myosurus minimus, L. Buckden, Hunts, April, 1883.—W. R. LINTON.

Ranunculus trichophyllus, Chaix. Ditch at Littleworth, S. Lincoln, July, 1883.—W. H. BEEBY.

Geranium pyrenaicum, L. Brampton, Hants, August, 1883.—W. R. LINTON.

Rubus Radula, Weihe. Graffham and Buckden, Hunts, Aug. and Sept., 1883.—W. R. LINTON.

Rosa tomentosa, Sm Diddington Wood and Offord Darcy, Hunts, Aug. and Sept., 1883.—W. R. LINTON.

R. rubiginosa, L. Brampton, Alconbury, and Graffham, Hunts, Aug. and Sept., 1883.—W. R. LINTON.

R. micrantha, Sm. Ellington, Hunts, Aug., 1883.—W. R. LINTON.

R. tomentella, Lém. Diddington Wood, Hunts, Aug., 1883.—W. R. LINTON.

Epilobium tetragonum, L. Deeping St. James, S. Lincoln, Aug., 1883.—W. H. BEEBY.

Myriophyllum spicatum, L. Pond near Deeping, S. Lincoln, Aug., 1883.—W. H. Beeby.

Galium elongatum. Holme Fen, Hunts, July, 1883.—W. R. Linton.

Picris hieracioides, L. Buckden, Hunts, Sept., 1883.—W. R. Linton.

Crepis biennis, L. Deeping St. James, S. Lincoln, Aug., 1883. W. H. Beeby.

Chlora perfoliata, L. Offord Darcy, Hunts, Sept., 1883.—W. R. Linton.

Potamogeton polygonifolius, Pour. Somerset, N., July, 1883.—Rev. R. P. Murray.

P. polygonifolius, Pour. West Ross, July, 1883.—C. Bailey.

P. pusillus, L. Deeping Fen, S. Lincoln, Aug., 1883.—W. H. Beeby.

Zannichellia pedicellata, Fries. Littleworth, S. Lincoln, July, 1883. W. H. Beeby.

Alisma lanceolatum, With. Brockham Bridge, near Betchworth, Surrey, July, 1883.—W. H. Beeby.

Juncus obtusifolius, Ehrh. Deeping Fen, S. Lincoln, July, 1883. W. H. Beeby.

J. compressus, Jacq. Deeping Fen, S. Lincoln, Aug., 1883.—W. H. Beeby.

Rhyncospora fusca, R. & S. Thursley Common, Surrey, Aug., 1883.—W. H. Beeby.

Carex disticha, Huds. Deeping St. James, S. Lincoln, Aug., 1883.—W. H. Beeby.

Tolypella prolifera, Leonh. Deeping, S. Lincoln, Aug., 1883. W. H. Beeby.

Chara vulgaris, L. Buckden, Hunts, Sept., 1883.—W. R. Linton.

Chara vulgaris, L. Deeping, S. Lincoln, Aug., 1883.—W. H. Beeby.

C. vulgaris, L., *longibracteata*. Deeping, S. Lincoln, Aug., 1883. W. H. Beeby.

C. hispida, L. Deeping, S. Lincoln, Aug., 1883.—W. H. Beeby.

C. aspera, Willd. Deeping, S. Lincoln, Aug., 1883.—W. H. Beeby.